CERTIFICATE OF EXPRESS MAIL DATE OF DEPOSIT April 24, 2001

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Yu

Serial No.: Unknown

Filed: Concurrently Herewith

For: MU OPIOID RECEPTOR METHODS (as

NUMBER EL611000538

amended)

Group Art Unit: Unknown

Examiner: Unknown

Atty. Dkt. No.: INDA:002USC1

REQUEST FOR TRANSFER OF SEQUENCE LISTING UNDER 37 C.F.R. § 1.821(e)

BOX SEQUENCE

Commissioner for Patents Washington, D.C. 20231

Commissioner:

Pursuant to 37 C.F.R. § 1.821(e), Applicant respectfully requests that the sequence information previously submitted in parent application ("parent application"), U.S. Serial No. 08/120,601 filed September 13, 1993, be transferred to and used in the above-referenced patent application ("instant application"). Only one computer readable sequence listing was submitted to the U.S. Patent and Trademark Office in the parent application. The sequence information in the instant application is identical to the sequence information contained in the previously-filed computer readable sequence listing in the parent application. It is understood that the U.S. Patent and Trademark Office will make the necessary change in application number and filing date of

25023429.1 1 the computer readable form that will be used for the instant application. A paper copy of the sequence listing is included in the originally-filed specification of the instant application.

Applicant requests the transfer of the previously-filed computer readable sequence listing from the parent application to the instant application is in lieu of filing a duplicate computer readable sequence listing.

No fee is believed to be due in connection with the filing of this document; however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to this document, the Commissioner is hereby authorized to deduct said fee from Fulbright & Jaworski Account No.: 50-1212/10010779/GNS.

Respectfully submitted,

Gina N. Shishima Reg. No. 45,104

Attorney for Applicant

FULBRIGHT & JAWORSKI L.L.P. 600 Congress Avenue, Suite 2400 Austin, Texas 78701 (512) 474-5201 (512) 536-4598

Date:

April 24, 2001

(1)	GENERAL	INFORMATION:

- (i) APPLICANT: Yu, Lei
- (ii) TITLE OF INVENTION: Mu Opioid Receptors: Compositions and Methods
- (iii) NUMBER OF SEQUENCES: 6
- (iv) CORRESPONDENCE ADDRESS:

 - (A) ADDRESSEE: Arnold, White & Durkee (B) STREET: 321 North Clark Street, Suite 800
 - (C) CITY: Chicago (D) STATE: IL

 - (E) COUNTRY: USA
 - (F) ZIR: 60610
- (v) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: Floppy disk
 - (B) COMPUTER: IBM PC compatible
 - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 - (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
- (vi) CURRENT APPLICATION DATA:
 - (A) APPLICATION NUMBER: US
 - (B) FILING DATE:
 - (C) CLASSIFICATION:
- (viii) ATTORNEY/AGENT INFORMATION:
 - (A) NAME: Northrup, Thomas E.

 - (B) REGISTRATION NUMBER: 33,268
 (C) REFERENCE/DOCKET NUMBER: ARCD095
 - (ix) TELECOMMUNICATION INFORMATION:
 - (A) TELEPHONE: 312-744-0090
 - (B) TELEFAX: 312\755-4489
- (2) INFORMATION FOR SEQ ID NO:1:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 1618 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: DNA (CDNA)
 - (ix) FEATURE:
 - (A) NAME/KEY: CDS
 - (B) LOCATION: 214..1410
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

CGTGGAAGGG GGCTACAAGC AGAGGAGAAT A	CAGACGCT CAGACGTTCC CTTCTGCCTG	60
CCGCTCTTCT CTGGTTCCAC TAGGGCTGGT C	CATGTAAGA ATCTGACGGA GCCTAGGGCA 1	.20
GCTGTGAGAG GAAGAGGCTG GGGCGCGTGG A	ACCCGAAAA GTCTGAGTGC TCTCAGTTAC 1	.80
AGCCTACCTA GTCCGCAGCA GGCCTTCAGC A	CC ATG GAC AGC AGC ACC GGC CCA 2 Met Asp Ser Ser Thr Gly Pro 5	234

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GGG Gly	AAC Asn	ACC Thr	AGC Ser	GAC Asp	TGC Cys	TCA Ser	GAC Asp 15	CCC Pro	TTA Leu	GCT Ala	CAG Gln	GCA Ala 20	AGT Ser	TGC Cys	TCC Ser	2	82
CCA Pro	GCA Ala 25	CdT Pro	GGC Gly	TCC Ser	TGG Trp	CTC Leu 30	AAC Asn	TTG Leu	TCC Ser	CAC His	GTT Val 35	GAT Asp	GGC Gly	AAC Asn	CAG Gln	3.	30
TCC Ser 40	GAT Asp	CCA Pro	CAB LCC	GGT Gly	CTG Leu 45	AAC Asn	CGC Arg	ACC Thr	GGG Gly	CTT Leu 50	GGC Gly	GGG Gly	AAC Asn	GAC Asp	AGC Ser 55	3	78
CTG Leu	TGC Cys	CCT Pro	CAG Gln	ACC Thr 60	GGC Gly	AGC Ser	CCT Pro	TCC Ser	ATG Met 65	GTC Val	ACA Thr	GCC Ala	ATT Ile	ACC Thr 70	ATC Ile	4	26
ATG Met	GCC Ala	CTC Leu	TAC Tyr 75	TCT	ATC Ile	GTG Val	TGT Cys	GTA Val 80	GTG Val	GGC Gly	CTC Leu	TTC Phe	GGA Gly 85	AAC Asn	TTC Phe	4	74
CTG Leu	GTC Val	ATG Met 90	TAT Tyr	GTG Val	ATT Ile	GTA Val	AGA Arg 95	TAC Tyr	ACC Thr	AAA Lys	ATG Met	AAG Lys 100	ACT Thr	GCC Ala	ACC Thr	5	22
AAC ~sn	ATC Ile 105	TAC Tyr	ATT Ile	TTC Phe	AAC Asn	CTT Leu 110	GCT Ala	CTG Leu	GCA Ala	GAC Asp	GCC Ala 115	TTA Leu	GCG Ala	ACC Thr	AGT Ser	5	70
ACA Thr 120	CTG Leu	CCC Pro	TTT Phe	CAG Gln	AGT Ser 125	GTC Val	AAC Asn	TAC Tyr	CTG Leu	ATG Met 130	GGA Gly	ACA Thr	TGG Trp	CCC Pro	TTC Phe 135	6	18
GGA Gly	ACC Thr	ATC Ile	CTC Leu	TGC Cys 140	AAG Lys	ATC Ile	Ag1	ATC Ile	TCA Ser 145	ATA Ile	GAT Asp	TAC Tyr	TAC Tyr	AAC Asn 150	ATG Met	6	666
TTC Phe	ACC Thr	AGC Ser	ATA Ile 155	Phe	ACC Thr	CTC Leu	TGC Cys	ACC Thr 1/60	ATG Met	AGC Ser	GTG Val	GAC Asp	CGC Arg 165	TAC Tyr	ATT Ile	7	714
GCT Ala	GTC Val	TGC Cys 170	His	CCA Pro	GTC Val	AAA Lys	GCC Ala 175	Leu	GAT Asp	TTC Phe	CGT Arg	ACC Thr 180	CCC Pro	CGA Arg	AAT Asn	7	762
GCC Ala	AAA Lys 185	Ile	GTC Val	AAC Asn	GTC Val	TGC Cys 190	Asn	TGG Trp	ATC	CTC Leu	TCT Ser 195	TCT	GCC Ala	ATC Ile	GGT Gly	8	310
CTG Leu 200	Pro	GTA Val	ATG Met	TTC Phe	ATG Met 205	Ala	ACC Thr	ACA Thr	AAA Lys	TAC Tyr 210	Arg	CAG Gln	GGG Gly	TCC	ATA Ile 215	8	858
GAT Asp	TGC	ACC Thr	CTC Leu	ACG Thr 220	Phe	TCC Ser	CAC	CCA Pro	ACC Thr 225	Trp	TAC	TGG Trp	GAG Glu	AAC Asn 230	CTG Leu	Ġ	906
CTC Leu	AAA Lys	ATC	TG1 Cys 235	yal	TTI Phe	ATC Ile	TTC Phe	GCT Ala 240	Phe	ATC Ile	ATO Met	ccc Pro	ATC Ile 245	Leu	ATC Ile	Ġ	954
ATC Ile	ACT Thr	GTC Val	L Cys	TAC Tyr	GGC Gly	CTG Leu	ATG Met 255	: Ile	TT?	A CGA 1 Arç	CTC Let	AAG L Lys 260	Ser	GTI Val	CGC Arg	10	002
ATC Met	CTA Lev 265	ı Sei	G GGG	C TCC Y Ser	C AAF	GAA Glu 270	Lys	GAC B Asp	AGO Aro	g AAT	CTC Lev 27	ı Arç	AGC Arc	ATO	ACC Thr	10	050

CGG ATG GTG CTG GTC GTC GTC GTA TTT ATC GTC TGC ACC CCC Arg Met Val Leu Val Val Val Ala Val Phe Ile Val Cys Trp Thr Pro 280 290 295	1098
ATC CAC ATC TAC GTC ATC ATC AAA GCG CTG ATC ACG ATT CCA GAA ACC Ile His le Tyr Val Ile Ile Lys Ala Leu Ile Thr Ile Pro Glu Thr 300 305	1146
ACA TTT CAG ACC GTT TCC TGG CAC TTC TGC ATT GCT TTG GGT TAC ACG Thr Phe Gln Thr Val Ser Trp His Phe Cys Ile Ala Leu Gly Tyr Thr 315 320 325	1194
AAC AGC TGC CTG AAT CCA GTT CTT TAC GCC TTC CTG GAT GAA AAC TTC Asn Ser Cys Neu Asn Pro Val Leu Tyr Ala Phe Leu Asp Glu Asn Phe 330 340	1242
AAG CGA TGC TTC AGA GAG TTC TGC ATC CCA ACC TCG TCC ACG ATC GAA Lys Arg Cys Phe Arg Glu Phe Cys Ile Pro Thr Ser Ser Thr Ile Glu 345	1290
CAG CAA AAC TCC ACT CGA GTC CGT CAG AAC ACT AGG GAA CAT CCC TCC Gln Gln Asn Ser The Arg Val Arg Gln Asn Thr Arg Glu His Pro Ser 360 370 375	1338
ACG GCT AAT ACA GTG GAT CGA ACT AAC CAC CAG CTA GAA AAT CTG GAG Thr Ala Asn Thr Val Asp Arg Thr Asn His Gln Leu Glu Asn Teu Glu 380 385	1386
GCA GAA ACT GCT CCA TTG CCC TAACTGGGTC TCACACCATC CAGACCCTCG Ala Glu Thr Ala Pro Leu Rro 395	1437
CTAAGCTTAG AGGCCGCCAT CTACCTGGAA TCAGGTTGCT GTCAGGGTGT GTGGGAGGCT	1497
CTGGTTTCCT GAGAAACCAT CTGATCCTGC ATTCAAAGTC ATTCCTCTCT GGCTACTTCA	1557
CTCTGCACAT GAGAGATGCT CAGACTGATC AAGACCAGAA GAAAGAAGAG ACTACCGGAC	1617
A	1618

(2) INFORMATION FOR SEQ ID NO:2:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 398 amino acids
 - (B) TYPE: amino acid
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: protein
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

Met Asp Ser Ser Thr Gly Pro Gly Asn Thr Ser Asp Cys Ser Asp Pro

Leu Ala Gln Ala Ser Cys Ser Pro Ala Pro Gly Ser Trp Leu Asn Leu
20 · 25 30

Ser His Val Asp Gly Asn Gln Ser Asp Pro Cys Gly Leu Asn Arg Thr

Gly Leu Gly Gly Asn Asp Ser Leu Cys Pro Gln Thr Gly Ser Pro Ser 50 55

Met Val Thr Ala Ile Thr Ile Met Ala Leu Tyr Ser \ Ile Val Cys Val 65 70 75 80

Val Gly Leu Phe Gly Asn Phe Leu Val Met Tyr Val Ile Val Arg Tyr Thr Lys Met Lys Thr Ala Thr Asn Ile Tyr Ile Phe Asn Leu Ala Leu Ala Asp\Ala Leu Ala Thr Ser Thr Leu Pro Phe Gln Ser Val Asn Tyr 120 125 Leu Met Gly Thr Trp Pro Phe Gly Thr Ile Leu Cys Lys Ile Val Ile Ser Ile Asp Tyr Tyr Asn Met Phe Thr Ser Ile Phe Thr Leu Cys Thr Met Ser Val Asb Arg Tyr Ile Ala Val Cys His Pro Val Lys Ala Leu 165 170 175 Asp Phe Arg Thr Pro Arg Asn Ala Lys Ile Val Asn Val Cys Asn Trp Ile Leu Ser Ser Ala Ile Gly Leu Pro Val Met Phe Met Ala Thr Thr Lys Tyr Arg Gln Gly \Ser Ile Asp Cys Thr Leu Thr Phe Ser His Pro Thr Trp Tyr Trp Glu Asn Leu Leu Lys Ile Cys Val Phe Ile Phe Ala Phe Ile Met Pro Ile Leu\Ile Ile Thr Val Cys Tyr Gly Leu Met Ile Leu Arg Leu Lys Ser Val Arg Met Leu Ser Gly Ser Lys Glu Lys Asp Arg Asn Leu Arg Arg Ile Thr\Arg Met Val Leu Val Val Val Ala Val Phe Ile Val Cys Trp Thr Pro Ile His Ile Tyr Val Ile Ile Lys Ala 295 Leu Ile Thr Ile Pro Glu Thr Thr the Gln Thr Val Ser Trp His Phe 310 Cys Ile Ala Leu Gly Tyr Thr Asn Sex Cys Leu Asn Pro Val Leu Tyr 330 Ala Phe Leu Asp Glu Asn Phe Lys Arg dys Phe Arg Glu Phe Cys Ile Pro Thr Ser Ser Thr Ile Glu Gln Gln .sh Ser Thr Arg Val Arg Gln 360 Asn Thr Arg Glu His Pro Ser Thr Ala Asn Thr Val Asp Arg Thr Asn His Gln Leu Glu Asn Leu Glu Ala Glu Thr Ala\Pro Leu Pro 390

(2) INFORMATION FOR SEQ ID NO:3:

- SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 1618 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (CDNA)
- (ix) FEATURE:
 (A) NAME/KEY: CDS
 (B) NOCATION: 339..1235

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:										
CGTGGAAGGG GGCTAQAAGC AGAGGAGAAT ATCAGACGCT CAGACGTTCC CTTCTGCCTG	60									
CCGCTCTTCT CTGGTTCCAC TAGGGCTGGT CCATGTAAGA ATCTGACGGA GCCTAGGGCA	120									
GCTGTGAGAG GAAGAGGCTG GGGCGCGTGG AACCCGAAAA GTCTGAGTGC TCTCAGTTAC	180									
AGCCTACCTA GTCCGCAGCA GGCCTTCAGC ACCATGGACA GCAGCACCGG CCCAGGGAAC	240									
ACCAGCGACT GCTCAGACCQ CTTAGCTCAG GCAAGTTGCT CCCCAGCACC TGGCTCCTGG	300									
CTCAACTTGT CCCACGTTGA TGGCAACCAG TCCGATCC ATG CGG TCT GAA CCG Met Arg Ser Glu Pro 1 5										
CAC CGG GCT TGG CGG GAA CGA CAG CCT GTG CCC TCA GAC CGG CAG CCC His Arg Ala Trp Arg Glu Arg Gln Pro Val Pro Ser Asp Arg Gln Pro 10 15 20	401									
TTC CAT GGT CAC AGC CAT TAC CAT CAT GGC CCT CTA CTC TAT CGT GTG Phe His Gly His Ser His Tyr His His Gly Pro Leu Leu Tyr Arg Val 25 30 35	449									
TGT AGT GGG CCT CTT CGG AAA CTT CCT GGT CAT GTA TGT GAT TGT AAG CYS Ser Gly Pro Leu Arg Lys Leu Pro Gly His Val Cys Asp Cys Lys 40 50	497									
ATA CAC CAA AAT GAA GAC TGC CAC CAA CAT CTA CAT TTT CAA CCT TGC Ile His Gln Asn Glu Asp Cys His Gln His Leu His Phe Gln Pro Cys 55 60 65	545									
TCT GGC AGA CGC CTT AGC GAC CAG TAC ACT GCC CTT TCA GAG TGT CAA Ser Gly Arg Arg Leu Ser Asp Gln Tyr Thr Ala Leu Ser Glu Cys Gln 70 75 80 85	593									
CTA CCT GAT GGG AAC ATG GCC CTT GGG AAC CAT CCT CTG CAA GAT CGT Leu Pro Asp Gly Asn Met Ala Leu Arg Asn His Pro Leu Gln Asp Arg 90 95 100	641									
GAT CTC AAT AGA TTA CTA CAA CAT GTT CAC CAG CAT ATT CAC CCT CTG Asp Leu Asn Arg Leu Leu Gln His Val His Gln His Ile His Pro Leu 105 110 115	689									
CAC CAT GAG CGT GGA CCG CTA CAT TGC TGT CTG CCA CCC AGT CAA AGC His His Glu Arg Gly Pro Leu His Cys Cys Leu Pro Pro Ser Gln Ser 120 125 130	737									
CCT GGA TTT CCG TAC CCC CCG AAA TGC CAA AAT CGT CAA CGT CTG CAA Pro Gly Phe Pro Tyr Pro Pro Lys Cys Gln Arg Gln Arg Leu Gln 135	785									

CTG Leu 150	GAT Aap	CCT Pro	CTC Leu	TTC Phe	TGC Cys 155	CAT His	CGG Arg	TCT Ser	GCC Ala	TGT Cys 160	TAA Asn	GTT Val	CAT His	GGC Gly	AAC Asn 165	833
CAC His	AAA Lys	ATA Ile	CAG Gln	GCA Ala 170	GGG Gly	GTC Val	CAT His	AGA Arg	TTG Leu 175	CAC His	CCT Pro	CAC His	GTT Val	CTC Leu 180	CCA Pro	881
CCC Pro	AAC Asn	CTG Led	GTA Val 185	CTG Leu	GGA Gly	GAA Glu	CCT Pro	GCT Ala 190	CAA Gln	AAT Asn	CTG Leu	TGT Cys	CTT Leu 195	TAT Tyr	CTT Leu	929
CGC Arg	TTT Phe	CAT His 200	CAT His	GCC Ala	GAT Asp	CCT Pro	CAT His 205	CAT His	CAC His	TGT Cys	GTG Val	TTA Leu 210	CGG Arg	CCT Pro	GAT Asp	977
GAT Asp	CTT Leu 215	ACG Thr	ACT Thr	CAA Gln	GAG Glu	CGT Arg 220	TCG Ser	CAT His	GCT Ala	ATC Ile	GGG Gly 225	CTC Leu	CAA Gln	AGA Arg	AAA Lys	1025
GGA Gly 230	Gln	GAA Glu	TCT Ser	GCG Ala	CAG Gln 235	GAT Asp	CAC His	CCG Pro	GAT Asp	GGT Gly 240	GCT Ala	GGT Gly	GGT Gly	CGT Arg	GGC Gly 245	1073
TGT Cys	ATT Ile	TAT Tyr	CGT Arg	CTC Leu 250	CTG Leu	GAC Asp	CCC Pro	CAT His	CCA Pro 255	CAT His	CTA Leu	CGT Arg	CAT His	CAT His 260	CAA Gln	1121
AGC Ser	GCT Ala	GAT Asp	CAC His 265	GAT Asp	TCC Ser	AGA Arg	AAC Asn	CAC His 270	ATT Ile	TCA Ser	GAC Asp	CGT Arg	TTC Phe 275	CTG Leu	GCA Ala	1169
CTT Leu	CTG Leu	CAT His 280	TGC Cys	TTT Phe	GGG	TTA Leu	CAC His 285	GAA Glu	CAG Gln	CTG Leu	CCT Pro	GAA Glu 290	TCC Ser	AGT Ser	TCT Ser	1217
			CCT Pro		TGA	AAAC:	TTC 1	AAGC	GATG	CT TO	CAGA	GAGT'	r ct	GCAT(CCCA	1272
ACC	TCGT	CCA (CGAT	CGAA	CA G	/ LAAAC	CTC	C AC	rcga(GTCC	GTC	AGAA	CAC '	TAGG	GAACAT	1332
CCC	TCCA	CGG (CTAA'	TACA	GT G	GATC	GAAC!	T AA	CCAC	CAGC	TAG	AAAA'	rct (GGAG	GCAGAA	1392
ACT	GCTC	CAT	TGCC	CTAA	CT G	GGTC:	rcac	A CC	ATCC	AGAC	CCT	CGCT	AAG (CTTA	GAGGCC	1452
GCC	ATCT.	ACG	TGGA.	ATCA	GG T	TGCT	стс ф	G GG	rgtg'	TGGG	AGG	CTCT	GGT '	TTCC	rgaga <i>p</i>	1512
ACC	ATCT	GAT	CCTG	CATT	CA A	AGTC	ATTC	t TC	TCTG	GCTA	CTT	CACT	CTG	CACA'	TGAGAG	1572
ATG	CTCA	GAC	TGAT	CAAG	AC C	AGAA	GAAA	g\aa	GAGA	CTAC	CGG	ACA				1618

(2) INFORMATION FOR SEQ ID NO:4:

- (i) SEQUENCE CHARACTERISTICS:

 (A) LENGTH: 298 amino acids
 (B) TYPE: amino acid
 (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: protein
- (xi) SEQUENCE DESCRIPTION: SEQ IN NO:4:

Met Arg Ser Glu Pro His Arg Ala Trp Arg\Glu Arg Gln Pro Val Pro 1 5 10

Ser Asp\Arg Gln Pro Phe His Gly His Ser His Tyr His His Gly Pro Leu Leu Tyr Arg Val Cys Ser Gly Pro Leu Arg Lys Leu Pro Gly His Val Cys Asp\Cys Lys Ile His Gln Asn Glu Asp Cys His Gln His Leu His Phe Gln Pro Cys Ser Gly Arg Arg Leu Ser Asp Gln Tyr Thr Ala Leu Ser Glu Cys Gln Leu Pro Asp Gly Asn Met Ala Leu Arg Asn His Pro Leu Gln Asp Atg Asp Leu Asn Arg Leu Leu Gln His Val His Gln His Ile His Pro Leu\ His His Glu Arg Gly Pro Leu His Cys Cys Leu Pro Pro Ser Gln Ser Pro Gly Phe Pro Tyr Pro Pro Lys Cys Gln Asn Arg Gln Arg Leu Gln Leu Asp Pro Leu Phe Cys His Arg Ser Ala Cys Asn Val His Gly Asn His Lys Ile Gln Ala Gly Val His Arg Leu His 165 Pro His Val Leu Pro Pro Asn Leu Val Leu Gly Glu Pro Ala Gln Asn Leu Cys Leu Tyr Leu Arg Phe His His Ala Asp Pro His His Cys 195 205 Val Leu Arg Pro Asp Asp Leu Thr Thr Gln Glu Arg Ser His Ala Ile 215 Gly Leu Gln Arg Lys Gly Gln Glu Ser Ala Gln Asp His Pro Asp Gly 235 Ala Gly Gly Arg Gly Cys Ile Tyr Arg Leu Leu Asp Pro His Pro His 250 Leu Arg His His Gln Ser Ala Asp His Asp Ser Arg Asn His Ile Ser Asp Arg Phe Leu Ala Leu Leu His Cys\Phe Gly Leu His Glu Gln Leu Pro Glu Ser Ser Ser Leu Arg Leu Pro Gly

(2) INFORMATION FOR SEQ ID NO:5:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (CDNA)	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:	
ATCTTCACCC TCACCATGAT G	21
(2) INFORMATION FOR SEQ ID NO:6:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (cDNA)	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:	
CGGTCCTTCT CCTTGGAACC	20